

WHAT IS CLAIMED IS:

1. A position indicator for performing a graphic input for such OA equipment as computers by moving the position indicator in the air, comprising: a pressure sensor to detect a reaction of air due to the movement of the position indicator.
2. The position indicator of Claim 1, wherein the pressure sensor comprised in the position indicator comprises an elastic film to push the air.
3. The position indicator of Claim 2, wherein the elastic film forms concavity to provide the maximum momentum to the air.
4. The position indicator of Claim 1, wherein the pressure sensor comprises a cover comprising minute holes in the front to prevent the pressure sensor from wind.
5. The position indicator of Claim 1, wherein the pressure sensor comprises holes on the back to make the air flow smoothly.
6. The position indicator of Claim 4, wherein the cover comprises a cover comprising another holes on the outside to prevent the pressure sensor from wind.
7. The position indicator of Claim 2, wherein the elastic film is comprised of a piezoelectric film having a piezoelectric effect.
8. The position indicator of Claim 7, wherein the piezoelectric film is glued to another film, comprised of a material with good elasticity and rigidity, which fills a role of pushing air.
9. The position indicator of Claim 2, wherein the reaction of the air due to the movement of the position indicator is calculated by measuring a change in an output of a photo sensor which receives a reflected light of a light emitted towards the

elastic film.

10. The position indicator of Claim 2, wherein the elastic film is comprised of a silicon, a piezo resistive element is set near the elastic film and a deflection occurred by the elastic film pushing the air is measured by a change in a resistance value of the piezo resistive element.

www.researchgate.net